AccessZone® – Remote™ User Manual

User Manual for AccessZone® Remote™ PC client version 2.2.0 and above

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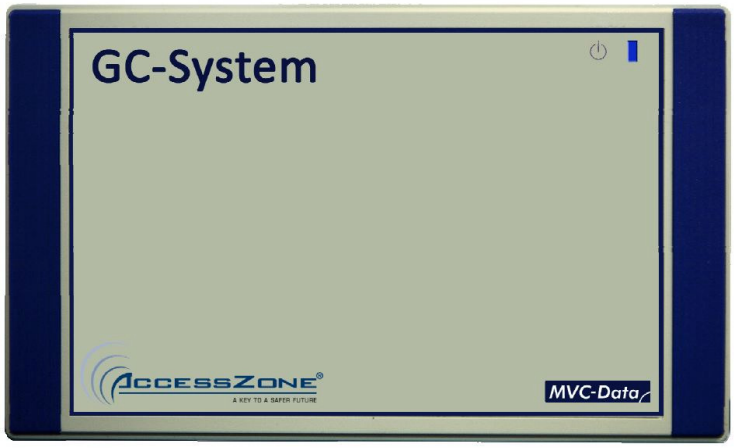
AccessZone® System - *A Key to a Safer Future*

Congratulations on choosing an AccessZone® Access Control System. It is a flexible and easy to use system for controlling access to doors and gates to private homes, shops and companies. Look forward to the quick setup using the intuitive and graphical user interface and the system's many built features.

This is the user manual for how to use and configure the AccessZone® PC Client application Remote™. It covers all AccessZone® access control systems with a PC interface RS232/RS422/LAN/Wi-Fi and Bluetooth in the GC (GateController™) series:

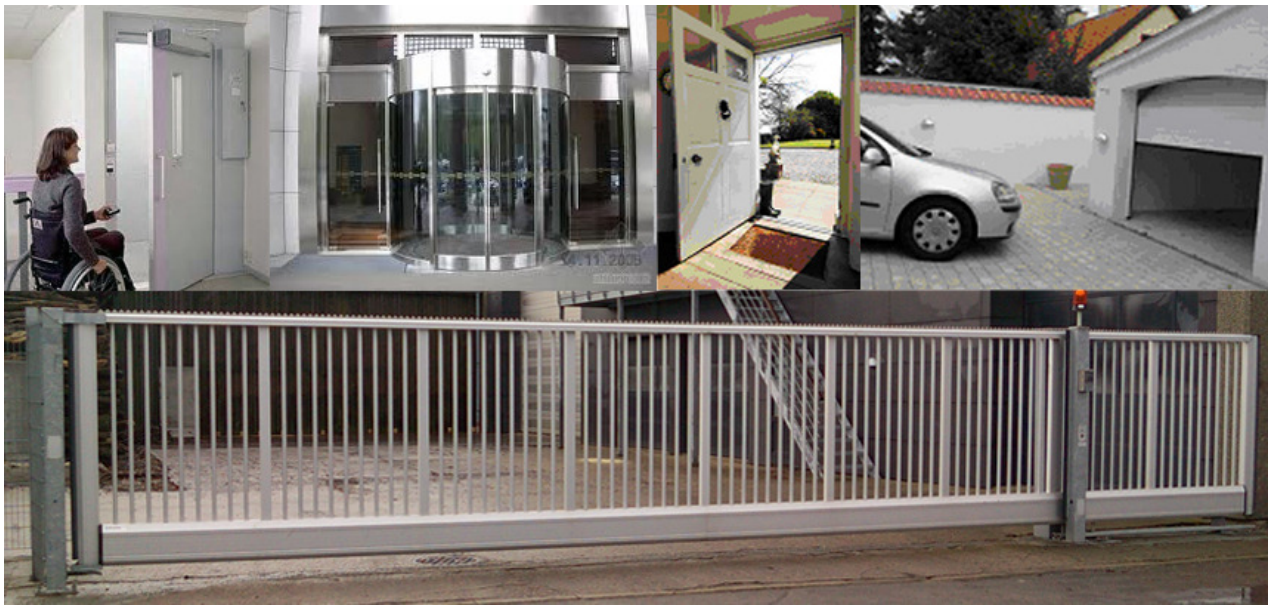
GC630/640/670



GC3000

AccessZone GateController box located near door or gate

Please see the PcManagement™ PC Installation and User Manual for instructions on how to install the software on a Windows XP SP2, Vista, Windows 7 or Windows 8 PC and setup the PcManagement Server.



Get easy and seamless accesses to the secured area with your mobile phone working as a ure access key from a distance from 0.1 up to 10 meters

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MVC-Data ApS's products are not authorized for use as system-critical components in life supporting devices or systems.

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2 Introduction

The AccessZone® Access Control Systems are well suited for use in private homes, shops and companies and can be scaled from a single GateController™ to multiple GateControllers.

They are unique wireless access control systems built on Bluetooth wireless technology – a wireless technology that operates in the license free ISM band at 2.4 GHz.

The systems only allow access to users who can be identified by their unique Key ID and optional a 4 digit PIN code for increased security. The used mobile phones or other Bluetooth devices must be set to “visible” to allow them to be discovered by the system.

This eliminates the need for mechanical readers and keyboards outside the secured area. This removes the risk for property damage and breakdown due to harsh environmental conditions and heavy use.

Please refer to the GC630/GC640/GC670 or GC3000 firmware Release Note for the latest updates.

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3 What is AccessZone - Remote™

The AccessZone® Remote client allows you to monitor and control your PcManagement system from the distance. You can see the status of the connected doors, gates and barriers.

The system can be used in two operation modes – with or without local validation of users.

AccessZone® PcManagement™ System is the PC server that handles the gate setup and real time monitoring of the connected GateController™ systems, which are connected to gates, barriers, locks and other locking mechanisms.

3.1 Properties:

- 0-16-digits login password for secure use
- Fully encrypted secure connection between PcManagement Server and Remote client
- Fast registration of a keys at the gate
- Grant instant access from the graphical user interface
- Control and monitor multiple gates from a remote PC
- Provides simultaneous support for multiple GateControllers
- Remote control of access via LAN/WAN
- Easy installation and maintenance costs

Please refer to the:

- AccessZone® PcManagement™ User Manual for instructions on how setup the system

- AccessZone® PcManagement™ PC Installation Manual for instructions on how to install the application on a PC. Refer to AccessZone PcManagement PC Installation Manual

  and

- GC630/GC640/670 or GC3000 Series Installation Manual for instructions on how to install the system
  - GC630 GC640 GC670 Series Installationsmanual
  - GC3000 Installation Manual MBCU-G

More information on: http://www.mvc-data.com/Manuals.html

TIP!

AccessZone Remote client is also available for smart phones running Windows Phone as "AccessZone Remote".

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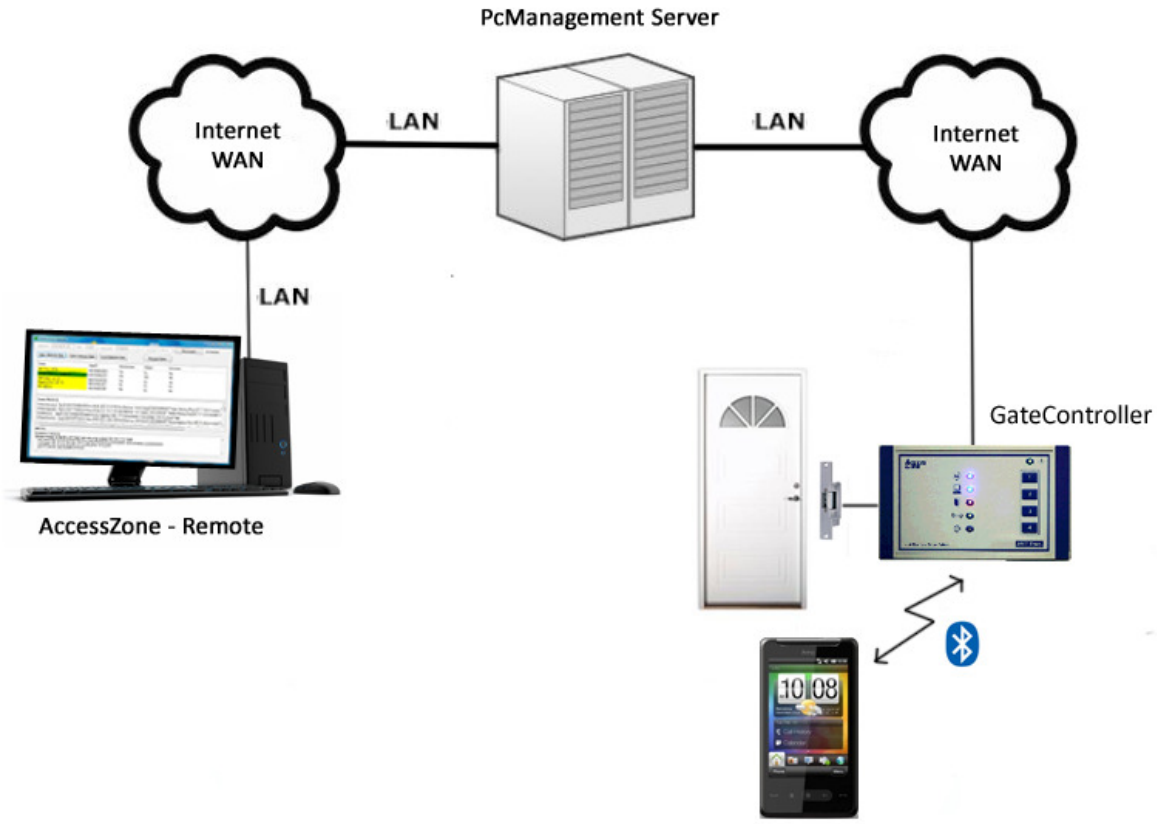
4 System Overview



- The PcManagement Server can be connected to a GateController on the same LAN network or to a GateController on the WAN network.
- The AccessZone – Remote client can be connecto to the PcManagement Server on the same LAN network or to PcManagement Server on the WAN network.

TIP!

The firewall must allow communication on the specified IP address and port number.

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5 AccessZone - Remote™

5.1 Installation

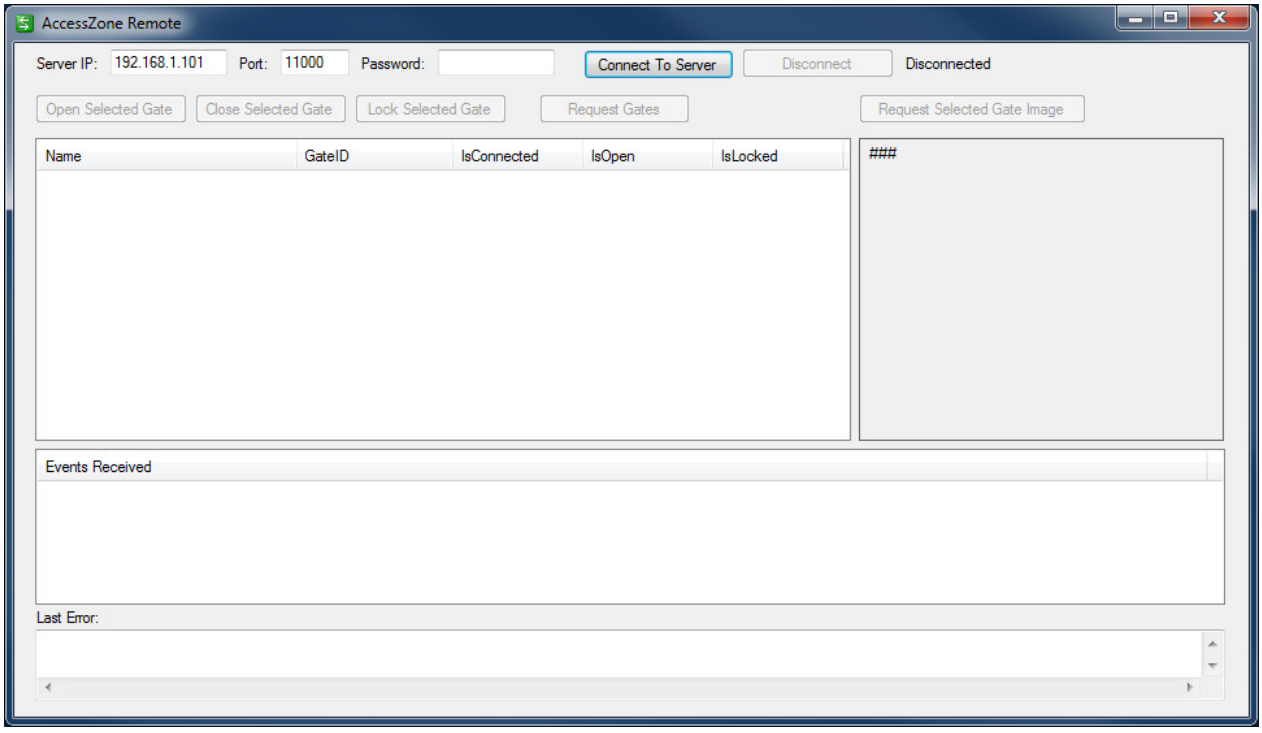
The AccessZone – Remote client can be executed directly from the program folder. No installation is required:

- AccessZoneRemote.exe Remote Client application
- AccessZoneClient.dll Microsoft .Net dll

The client is started by clicking the AccessZoneRemote.exe file. You can also make a short cut on the desktop.

5.2 Main Screen – Start-Up

The image below shows the AccessZone® - Remote™ start-up screen.



The upper menu shows the network setup options.

Next all the control buttons for controlling the selected door/gate and barrier.

“Name” shows all the registered GateControllers in the system.

“Events Received” shows all the events (user IDs and actions performed) in real time.

“Last Error” shows error message. E.g. network errors.

"Request Selected Gate Image" shows an image from the selected GateController.

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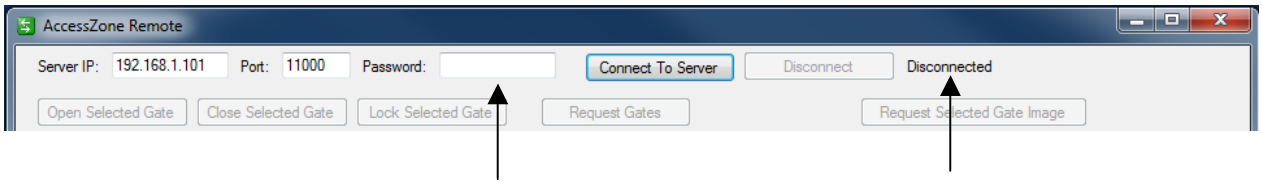
5.3 Network Setup

The network settings must be setup and “point” to the PcManagement Server.



Enter a unique login password for remote client.

Connection status to PcManagement Server

- Network Settings:
  - “Server IP” is the IP address of the PcManagement server. I.e. the PC’s IP address running PcManagement server on the remote side
  - “Server Port” the port address setup in PcManagement server. Default 11000
  - “Password” a unique login password. You can leave the field empty (no password) or a any length up to 16-digits. The same password must be applied in the PcManagment server.

Click “Connect To Server” when setup is done to connect to the server.

Click “Disconnect” to disconnect again.

Note!
All communication to remote client and PcManagement is encrypted for secure use.

TIP!
Make sure the the firewall(s) allow communication between the Remote Client and PcManagement Server.

The AccessZone Remote client can also run on the same PC as the PcManement Server.

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5.4 User Menu

The image below shows how the main user menu:

You must select an online GateController before selecting any of the buttons:

- "Open Selected Gate" sends an open request to the selected GateController.
- "Close Selected Gate" sends a close request to the selected GateController.
- "Lock Selected Gate" sends a close and lock request to the selected GateController.
- "Request Gates" sends a request to get all the registered GateControllers from PcManagement Server.
- "Request Selected Gate Image" sends a request to get the lastest image from the video surveillance. PcManagement Server must be setup to locate the video images.

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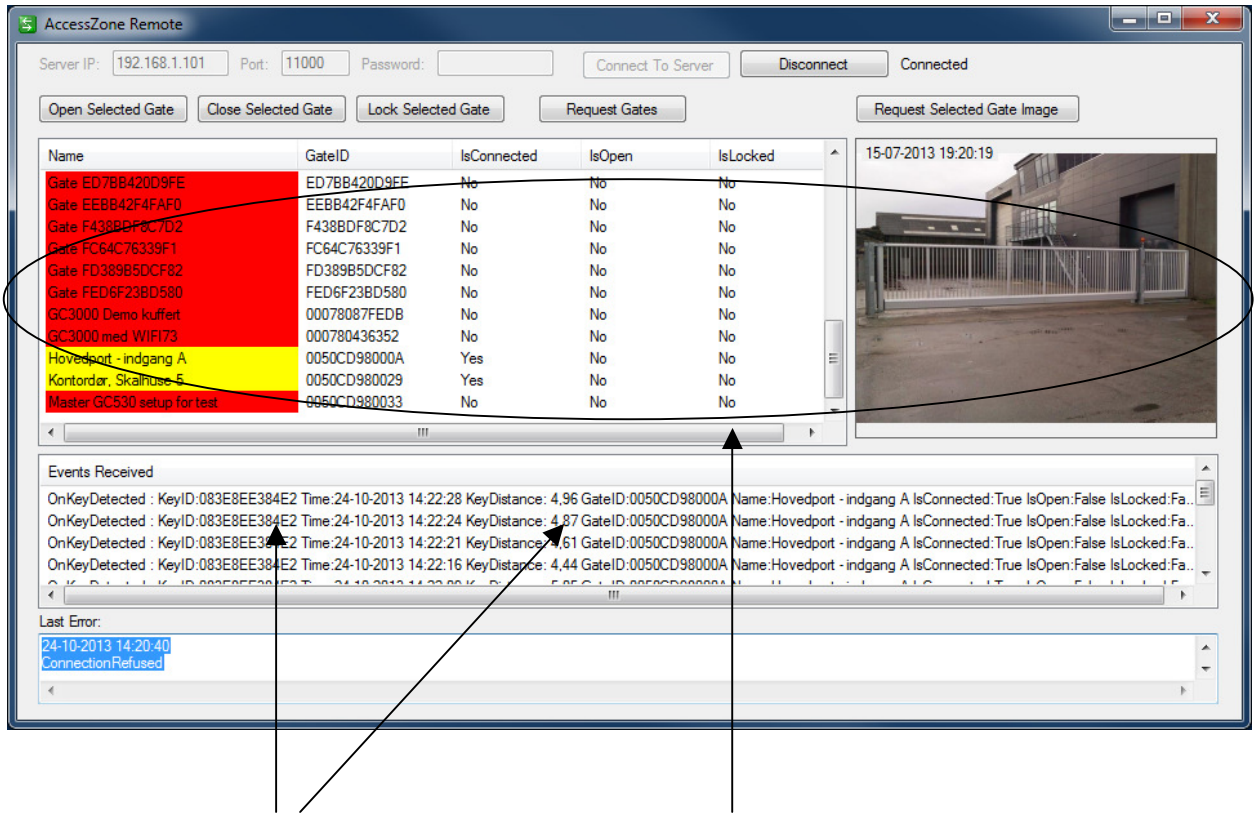
5.5 Main Screen – Connected State

The image below shows a running system with two active GateControllers (yellow):


AccessZone Remote
Server IP: 192.168.1.101
Port: 11000
Password:
Connect To Server
Disconnect
Connected
Open Selected Gate
Close Selected Gate
Lock Selected Gate
Request Gates
Request Selected Gate Image
Name
GateID
IsConnected
IsOpen
IsLocked
Gate ED7BB420D9FE ED7BB420D9FE No No No
Gate EEBB42F4FAF0 EEBB42F4FAF0 No No No
Gate F438BDF8C7D2 F438BDF8C7D2 No No No
Gate FC64C76339F1 FC64C76339F1 No No No
Gate FD389B5DCF82 FD389B5DCF82 No No No
Gate FED6F23BD580 FED6F23BD580 No No No
GC3000 Demo kuffert 00078087FEDB No No No
GC3000 med WIFI73 000780436352 No No No
Hovedport - indgang A 0050CD98000A Yes No No
Kontordør, Skalhuse 5 0050CD980029 Yes No No
Master GC530 setup for test 0050CD980033 No No No
15-07-2013 19:20:19
Events Received
OnKeyDetected : KeyID:083E8EE384E2 Time:24-10-2013 14:22:28 KeyDistance: 4,96 GateID:0050CD98000A Name:Hovedport - indgang A IsConnected:True IsOpen:False IsLocked:Fa..
OnKeyDetected : KeyID:083E8EE384E2 Time:24-10-2013 14:22:24 KeyDistance: 4,87 GateID:0050CD98000A Name:Hovedport - indgang A IsConnected:True IsOpen:False IsLocked:Fa..
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OnKeyDetected : KeyID:083E8EE384E2 Time:24-10-2013 14:22:16 KeyDistance: 4,44 GateID:0050CD98000A Name:Hovedport - indgang A IsConnected:True IsOpen:False IsLocked:Fa..
Last Error:
24-10-2013 14:20:40
ConnectionRefused

Detected User Ids and estimated distance received from PcManagement server

Status of the connected GateControllers

Latest image from last selected GateController

Click “Request Gates” to receive the list with available GateControllers.

Click “Request Selected Gate Image” to update with the latest image from selected GateController.

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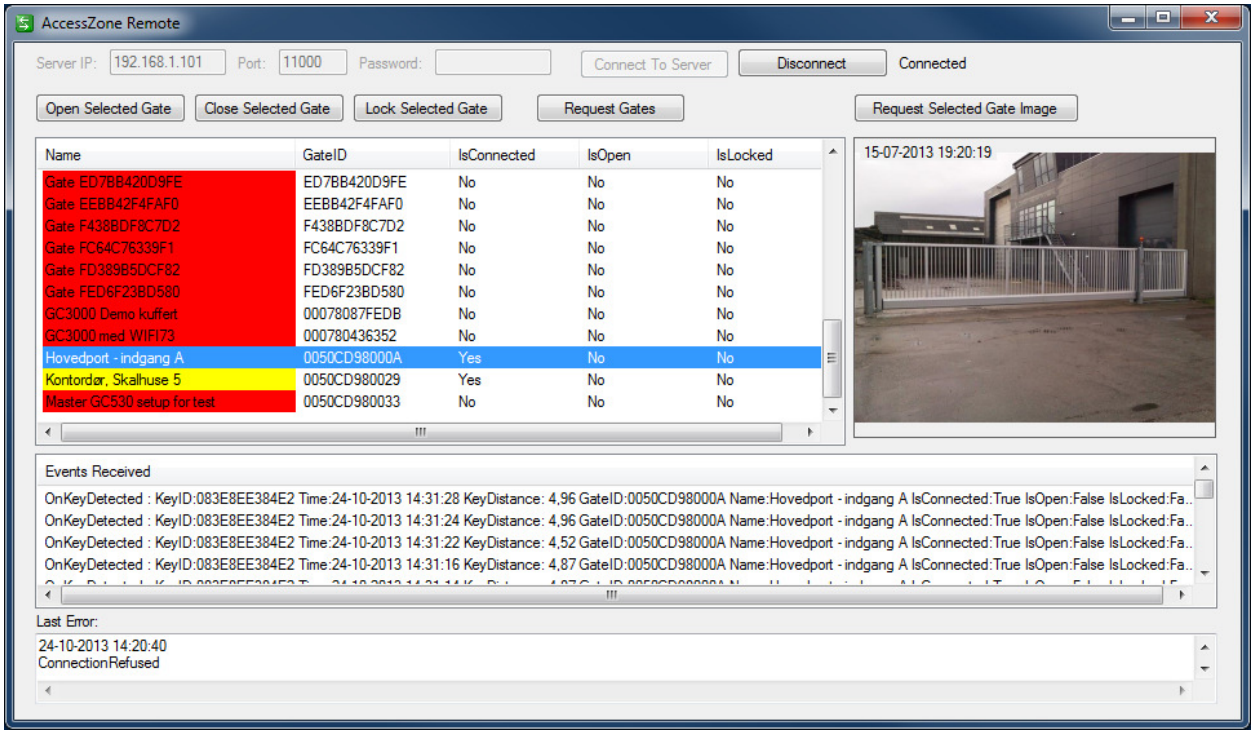
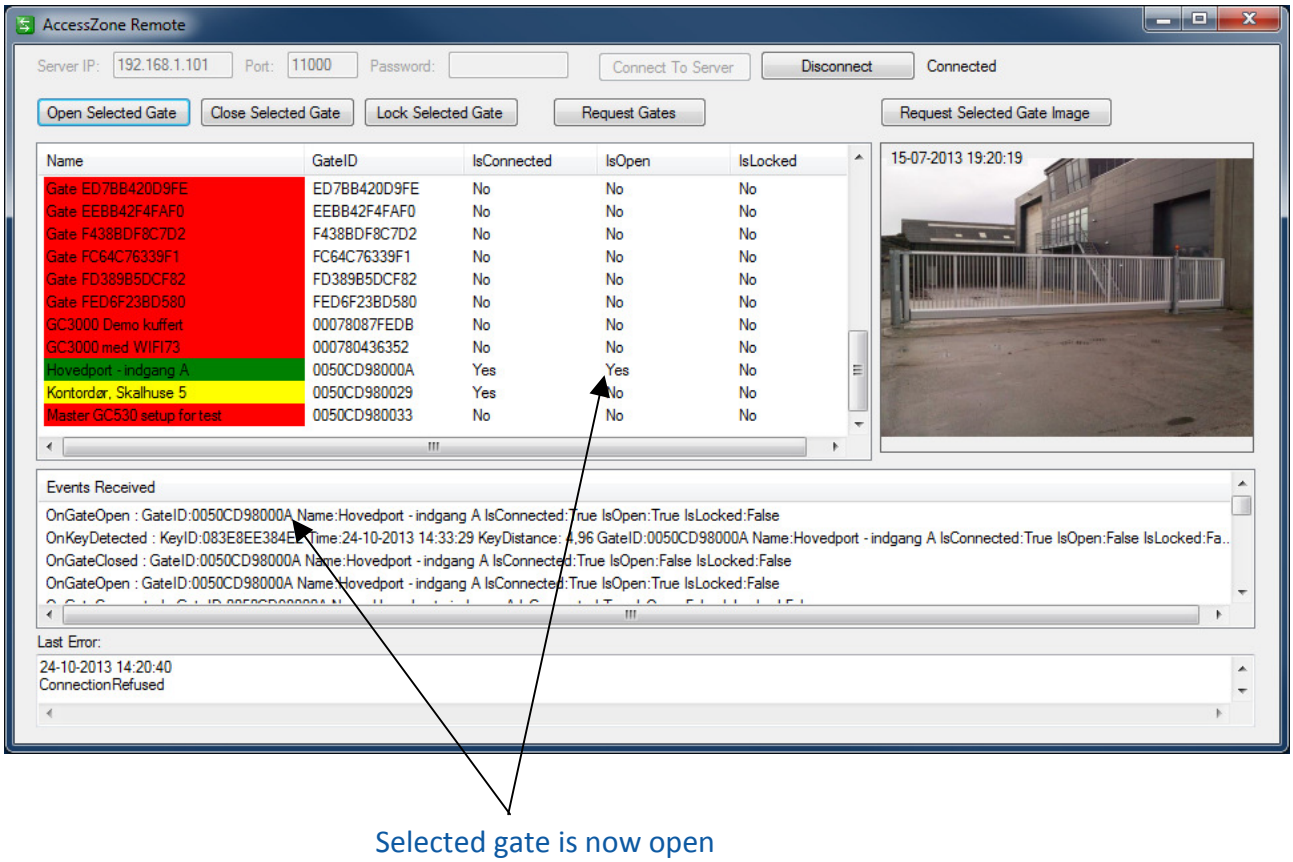
5.6 Main Screen – How to Operate

The image below shows a running system with two active GateControllers:


AccessZone Remote
Server IP: 192.168.1.101
Port: 11000
Password:
Connect To Server
Disconnect
Connected
Open Selected Gate
Close Selected Gate
Lock Selected Gate
Request Gates
Request Selected Gate Image
Name
GateID
IsConnected
IsOpen
IsLocked
Gate ED7BB420D9FE ED7BB420D9FE No No No
Gate EEBB42F4FAF0 EEBB42F4FAF0 No No No
Gate F438BDF8C7D2 F438BDF8C7D2 No No No
Gate FC64C76339F1 FC64C76339F1 No No No
Gate FD389B5DCF82 FD389B5DCF82 No No No
Gate FED6F23BD580 FED6F23BD580 No No No
GC3000 Demo kuffert 00078087FEDB No No No
GC3000 med WIFI73 000780436352 No No No
Hovedport - indgang A 0050CD98000A Yes No No
Kontordør, Skalhuse 5 0050CD980029 Yes No No
Master GC530 setup for test 0050CD980033 No No No
15-07-2013 19:20:19
Events Received
OnKeyDetected : KeyID:083E8EE384E2 Time:24-10-2013 14:31:28 KeyDistance: 4,96 GateID:0050CD98000A Name:Hovedport - indgang A IsConnected:True IsOpen:False IsLocked:Fa..
OnKeyDetected : KeyID:083E8EE384E2 Time:24-10-2013 14:31:24 KeyDistance: 4,96 GateID:0050CD98000A Name:Hovedport - indgang A IsConnected:True IsOpen:False IsLocked:Fa..
OnKeyDetected : KeyID:083E8EE384E2 Time:24-10-2013 14:31:22 KeyDistance: 4,52 GateID:0050CD98000A Name:Hovedport - indgang A IsConnected:True IsOpen:False IsLocked:Fa..
OnKeyDetected : KeyID:083E8EE384E2 Time:24-10-2013 14:31:16 KeyDistance: 4,87 GateID:0050CD98000A Name:Hovedport - indgang A IsConnected:True IsOpen:False IsLocked:Fa..
Last Error:
24-10-2013 14:20:40
ConnectionRefused

- Select a GateController from the list:
  - Click “Open Selected Gate” to open the gate or
  - Click “Close Selected Gate” to close


AccessZone Remote
Server IP: 192.168.1.101
Port: 11000
Password:
Connect To Server
Disconnect
Connected
Open Selected Gate
Close Selected Gate
Lock Selected Gate
Request Gates
Request Selected Gate Image
Name
GateID
IsConnected
IsOpen
IsLocked
Gate ED7BB420D9FE ED7BB420D9FE No No No
Gate EEBB42F4FAF0 EEBB42F4FAF0 No No No
Gate F438BDF8C7D2 F438BDF8C7D2 No No No
Gate FC64C76339F1 FC64C76339F1 No No No
Gate FD389B5DCF82 FD389B5DCF82 No No No
Gate FED6F23BD580 FED6F23BD580 No No No
GC3000 Demo kuffert 00078087FEDB No No No
GC3000 med WIFI73 000780436352 No No No
Hovedport - indgang A 0050CD98000A Yes Yes No
Kontordør, Skalhuse 5 0050CD980029 Yes No No
Master GC530 setup for test 0050CD980033 No No No
15-07-2013 19:20:19
Events Received
OnGateOpen : GateID:0050CD98000A Name:Hovedport - indgang A IsConnected:True IsOpen:True IsLocked:False
OnKeyDetected : KeyID:083E8EE384E2 Time:24-10-2013 14:33:29 KeyDistance: 4,96 GateID:0050CD98000A Name:Hovedport - indgang A IsConnected:True IsOpen:False IsLocked:Fa..
OnGateClosed : GateID:0050CD98000A Name:Hovedport - indgang A IsConnected:True IsOpen:False IsLocked:False
OnGateOpen : GateID:0050CD98000A Name:Hovedport - indgang A IsConnected:True IsOpen:True IsLocked:False
Last Error:
24-10-2013 14:20:40
ConnectionRefused

Selected gate is now open

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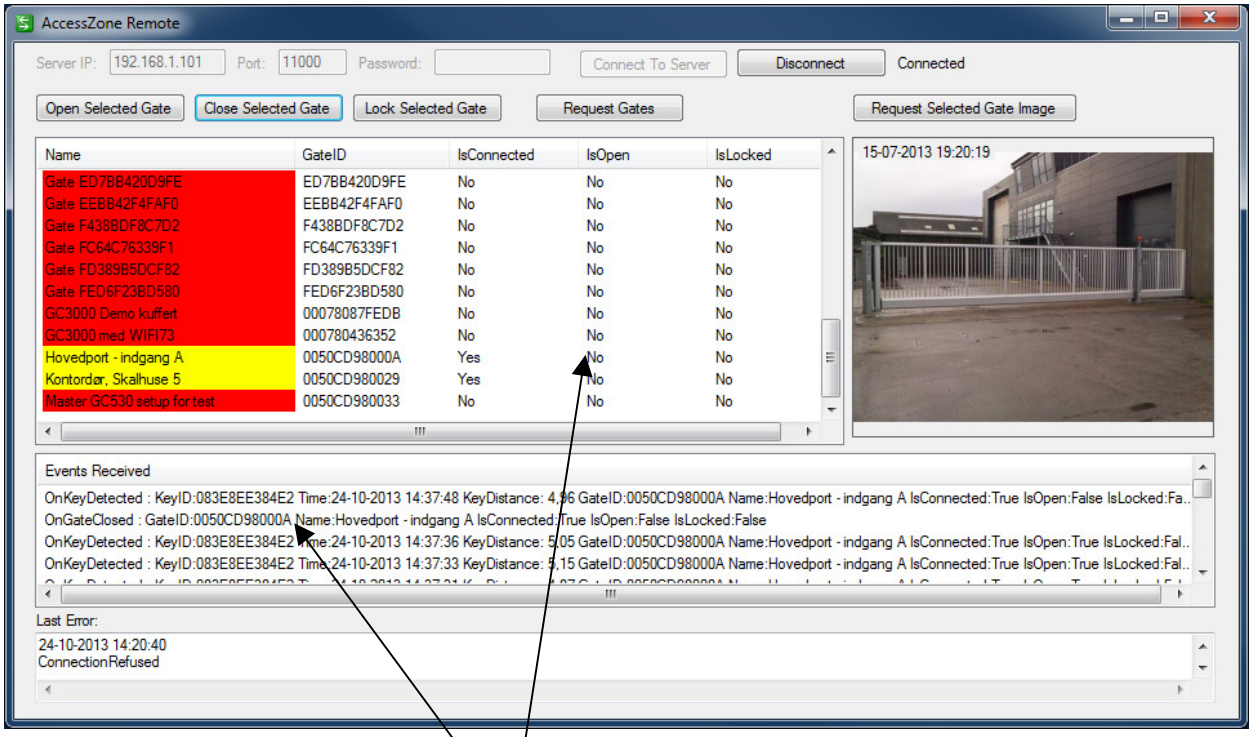
AccessZone Remote
Server IP: 192.168.1.101
Port: 11000
Password:
Connect To Server
Disconnect
Connected
Open Selected Gate
Close Selected Gate
Lock Selected Gate
Request Gates
Request Selected Gate Image
Name GateID IsConnected IsOpen IsLocked
Gate ED7BB420D9FE ED7BB420D9FE No No No
Gate EEBB42F4FAF0 EEBB42F4FAF0 No No No
Gate F438BDF8C7D2 F438BDF8C7D2 No No No
Gate FC64C76339F1 FC64C76339F1 No No No
Gate FD389B5DCF82 FD389B5DCF82 No No No
Gate FED6F23BD580 FED6F23BD580 No No No
GC3000 Demo kuffert 00078087FEDB No No No
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Kontordør, Skalhuse 5 0050CD980029 Yes No No
Master GC530 setup for test 0050CD980033 No No No
15-07-2013 19:20:19
Events Received
OnKeyDetected : KeyID:083E8EE384E2 Time:24-10-2013 14:37:48 KeyDistance: 4,96 GateID:0050CD98000A Name:Hovedport - indgang A IsConnected:True IsOpen:False IsLocked:Fa..
OnGateClosed : GateID:0050CD98000A Name:Hovedport - indgang A IsConnected:True IsOpen:False IsLocked:False
OnKeyDetected : KeyID:083E8EE384E2 Time:24-10-2013 14:37:36 KeyDistance: 5,05 GateID:0050CD98000A Name:Hovedport - indgang A IsConnected:True IsOpen:True IsLocked:Fal..
OnKeyDetected : KeyID:083E8EE384E2 Time:24-10-2013 14:37:33 KeyDistance: 5,15 GateID:0050CD98000A Name:Hovedport - indgang A IsConnected:True IsOpen:True IsLocked:Fal..
Last Error:
24-10-2013 14:20:40
ConnectionRefused

Selected gate is now closed again

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